

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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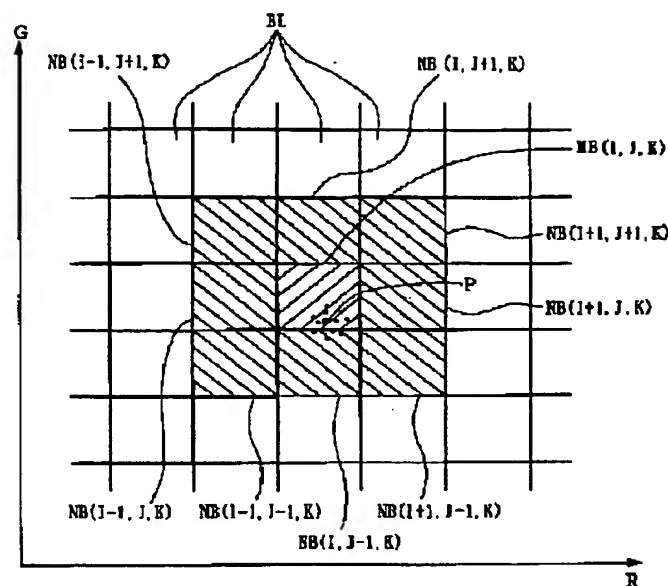
APPLICATION DATE : 07-04-98  
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APPLICANT : DAINIPPON SCREEN MFG CO LTD;

INVENTOR : MURAKAMI SHIGEO;

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TITLE : IMAGE COLOR INFORMATION  
EXTRACTION METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To provide a color information extraction method capable of extracting appropriate color information.

SOLUTION: An image to be an object is equally divided into rectangular sections and a histogram is prepared for the RGB color components of the respective picture elements of respective section images. The average gradation value for the respective color components belonging to the most frequent class block MB of a highest degree in the histogram of the respective sections and to a class block NB adjacent to it is obtained as the representative color of the section for the respective sections, and the array of the representative colors of the respective sections is defined as the color information on the image to be the object. Since the representative colors of the respective sections are obtained based on the most frequent class block MB, the appropriate color information is extracted.

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